

SSL Series

Lug / Snap-in EDLC Cell 焊针式 / 焊片式 EDLC 单体

Typical applications 典型应用

- Passenger-car power supply systems
- Energy storage for construction machinery
- Industrial standby power
- AGV on-board power
- Microgrid energy storage



Branding illustration / 品牌外观示意

Electrical characteristics 电气特性

Parameter / 项目	Specification / 规格
Rated voltage / 额定电压	2.7 V
Operating temperature / 工作温度	-40 to +65 °C (-40 to +85 °C at 2.3 V)
Surge voltage / 浪涌电压	2.85 V
Capacitance range / 容量范围	350-800 F
Capacitance tolerance at 25 °C / 容量偏差	-10% to +30%

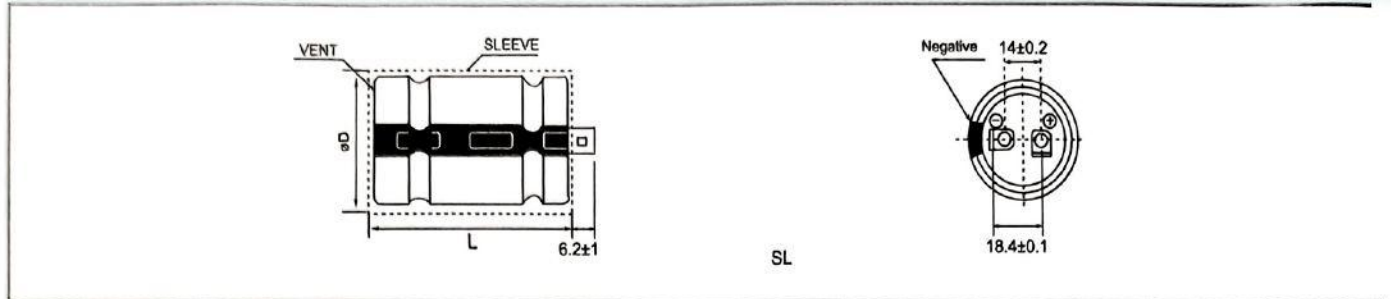
Reliability characteristics 可靠性特性

Test / 项目	Condition / 条件	Requirements / 要求
Temperature characteristics 温度特性	-40 to +65 °C -40 至 +65 °C	Capacitance change: within 30% of initial value at 25 °C ESR _{AC} : "2 × initial specified value 容量变化: 30% 以内; 内阻: ≤2 倍
High-temperature load 高温负荷	Rated voltage, 65 °C, 1,500 h 额定电压, 65 °C, 1,500 小时	Capacitance change: within 30% of initial value ESR _{AC} : "2 × initial specified value 容量变化: 30% 以内; 内阻: ≤2 倍
High-temperature storage 高温存储	70 °C, 1,000 h 70 °C, 1,000 小时	Capacitance change: within 30% of initial value ESR _{AC} : "2 × initial specified value 容量变化: 30% 以内; 内阻: ≤2 倍
Cycle life 循环寿命	500,000 cycles, 25 °C V _R to ½V _R 500,000 次充放电循环, 25 °C	Capacitance change: within 30% of initial value ESR _{AC} : "2 × initial specified value 容量变化: 30% 以内; 内阻: ≤2 倍

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Dimensions 外形尺寸



Dimensions in mm. Tolerances are shown in the drawing.

Ratings and part numbers 额定值与料号

U _R (Surge Voltage) Code 额定电压 (浪涌电压) 代码	Rated Cap. 25℃ 额定容量 25℃	Impedance 内阻		Leakage Current 漏电流(72hrs)	Size 尺寸 ΦD×L	Weight 重量	P/N 产品代码
		ESR _{DC} 直流内阻	ESR _{AC} 交流内阻 (1KHz)				
(V)	(F)	(mΩ)	(mΩ)	(mA)	(mm)	(g)	-
2.7 (2.85) 2R7	350	2.8	2.3	1.0	35 x 60	73	SCCDLS2R7357QSL350060ES
	800	2.7	2.2	1.5	40 x 70	120	SCCDLS2R7807QSL400070ES